

STRELEC, Jan, MUDr.

Heterogenic bone use in the treatment of pseudarthroses of  
the scaphoid bone. Sborn. ved. prac. lek. fak. Karlov. Univ.  
(Hrad. Kral.) 6 no.3: Supplement:395-399 '63.

1. Prednosta oddeleni pro ortopedii a traumatologii OUNZ,  
Frydek-Mistek.

\*

STRELEC, J.; WOZELKA, I.

Wounds of the meniscus of the knee treated by total meniscectomy.  
Acta chir. orthop. traum. cech. 30 no. 4:285-287 Ag '63.

1. Oddeleni pro ortopedii a traumatologii pohyboveho ustroji  
OUNZ ve Frydku-Mistku, vedouci MUDr. J. Strelec.  
(KNEE INJURIES) (CARTILAGE)  
(SURGERY, OPERATIVE)

STRAZHEVSKAYA, N. B.

USSR.

Carbohydrate-phosphorus metabolism in embryos and endosperms of winter wheat during the process of vernalization. N. I. Praskuryakova and N. B. Strazhevskaya (M. V. Lomonosov State Univ., Moscow, Russia). *Biologicheskaya Akademiya Nauk SSSR, Sbornik 2*, 147-60 (1954). Mois-Akad. Nauk SSSR, Sbornik 2, 147-60 (1954). Vernalized wheat grains maintained at a low temp. (2-3°) exhibit changes in the biochemical compn. In the endosperm the starch content declines while sucrose rises; a similar rise is observed in the embryo proper. In specimens vernalized at 0° phosphorolysis apparently predominates over amylolysis, while in specimens kept at 2-3° the content of phytin and acid-sol. P declines along with a rise of inorg. P; this was particularly noted in the embryo proper. While ascorbic acid is absent in the endosperm, it increases considerably in the embryos at 2-3° and a lesser increase at 0°. G. M. Kosolapoff

STRAZHEVSKAYA, N. B.

STRAZHEVSKAYA, N. B. --"Investigation of Certain Primary Biological Changes in Plants under the Influence of Ionizing Radiations." Acad Sci USSR. Inst of Biochemistry imeni A. N. Bakh. Acad Sci USSR. Inst of Biological Physics. Moscow, 1955. (Dissertation for the Degree of Candidate in Biological Science)

S0 Knizhanay letopis'  
No 2, 1956.

Strazhevskaya, N. B.

USER/Biology - Plant physiology

Card 1/1 Pub. 22 - 20/59

Authors : Kuzin, A. M.; Eydus, L. Kh.; and Strazhevskaya, N. B.

Title : Studying, with the help of marked compounds, the effect of Roentgen rays on certain properties of albumen and its synthesis

Periodical : Dok. AN SSSR 102/2, 267-270, May 11, 1955

Abstract : Experimental studies of the effect of Roentgen rays on certain properties of albumen and its synthesis in plants are described. For the experiments, two-day old sprouts of wheat seeds were used. Nine references: 1 Brit., 1 Ital., 1 Scand., 2 USSR and 4 USA (1937-1955). Tables.

Institution : Acad. of Sc., USSR, Institute of Biological Physics

Presented by : Academician A. I. Oparin, February 25, 1955

KUZIN, A.M.; STRAZHEVSKAYA, N.B.

Effect of ionizing radiation on the permeability of plant tissue.  
Biofizika 1 no.7:637-641 '56. (MIRA 9:12)

1. Institut biologicheskoy fiziki Akademii nauk SSSR, Moskva.  
(PLANTS, EFFECT OF RADIATION ON)  
(PERMEABILITY)

KUZIN, A.M.; STRAZHEVSKAYA, N.B.

Biochemical effect of ionizing radiation. Itogi nauki, Biol, nauki  
no.1:50-99 '57. (MIRA 11:1)  
(RADIATION--PHYSIOLOGICAL EFFECT)

STRAZHEVSKAYA, N.V.; KUZIN, A.M.

Effect of ionization radiation on the metabolism of phosphorous  
compounds in the roots of wheat. [with summary in English]. Biofizika  
2 no.1:79-85 '57. (MLRA 10:3)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.  
(PLANTS, EFFECT OF RADIATION ON)  
(PHOSPHORUS METABOLISM) (ROOTS (BOTANY))

STRAZHEVSKAYA, N.B.

Effect of ionizing radiations on protein metabolism in nuclei,  
mitochondria, and the ergastoplasm of the vegetable organism.  
Biozifika 5 no.3:346-353 '60. (MIRA 13:7)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.  
(PROTEIN METABOLISM) (PLANTS, EFFECT OF GAMMA RAYS ON)

STRATYNSKAYA, N. B., STHUCCOV, V. A. (USSR)

"Disturbance of the Supramolecular Structure of DNA in the  
Radiation-Damaged Cell."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 August 1961

KUZIN, A.M.; STRAZHEVSKAYA, N.B.; STRUCHKOV, V.A.

Structural changes in the desoxyribonucleic acid of fat organs  
following total-body irradiation. Radiobiologija 1 no.1:10-13  
'61. (MIRA 14:7)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.  
(DESOXYRIBONUCLEIC ACID)  
(GAMMA RAYS--PHYSIOLOGICAL EFFECT)

STRUCHKOV, V.A.; STRAZHEVSKAYA, N.B.

Effect of ionizing radiation on the polymolecular structure of  
desoxyribonucleic acid in living cells. Radiobiologija 1 no.2:  
172-175 '61. (MIRA 14:7)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.  
(GAMMA RAYS--PHYSIOLOGICAL EFFECT)  
(DESOXYRIBONUCLEIC ACID)

30345

27.12.20

S/205/61/001/004/002/032  
D298/D303

AUTHORS: Kuzin, A. M.; Baranovskaya, I., Strazhevskaya, N. B.,  
and Struchkov, V. A.

TITLE: A study of change in the state of deoxyribonucleic  
acid in Escherichia coli exposed to gamma-radiation

PERIODICAL: Radiobiologiya, v. 1, no. 4, 1961, 476-478

TEXT: It was found that irradiation of hens in a dose of 2.5 kr led to an immediate change of 50% in the structuro-mechanical properties of the secreted polymolecular deoxyribonucleic acid (DRN) complexes. This points to disturbance of the crude state of DRN in the cell. To check whether this phenomenon has a general significance in radiation biology, the authors studied the state of DRN in *E. coli* before and after irradiation. The DRN state and the effects of radiation at various stages in the bacterial strain's development were also studied. Tests were run on a young 16-hour and a stationary 46-hour culture of

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S/205/61/001/004/002/032  
D298/D303

A study of changes...

*E. coli* var. B, irradiated by gamma-rays from a  $\text{Co}^{60}$  source in a dose of 4 kr ( $\text{LD}_{31}$  for the particular strain) at an intensity of 450 r/min. and at  $37^{\circ}$  and  $20^{\circ}\text{C}$ . The structuro-mechanical properties of the DRN were measured with a capillary elastoviscosimeter at  $25^{\circ}\text{C}$  and the results expressed as values of the relative viscosity  $\eta_{\text{rel}}$ . The results showed that DRN in the young *E. coli* culture was in a special state, characterized by the high structuro-mechanical properties of its solutions ( $\eta_{\text{rel}} = 200 \text{ dl/g}$ ). The stationary *E. coli* culture contained DRN in a qualitatively different state, with a  $\eta_{\text{rel}}$  value of 100 dl/g.

Immediately after irradiation, changes of 50% in the structuro-mechanical properties of the DRN were noted in the young *E. coli* culture, whereas in the old culture these properties showed no practical change. The authors deduce from this that there is a special state of DRN characteristic of young mitotic cells, and that this is linked directly with their sensitivity to radioactivity. There are 2 tables and 4 references:

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A study of change...

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S/205/61/001/004/002/032  
D298/D303

2 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: G. E. Stapleton, J. Bacteriol., 70, 357, 1955; J. M. Webb, H. B. Levy, J. Biol. Chem., 213, 107, 1959.

ASSOCIATION: Institut biologicheskoy fiziki AN SSSR (Institute of Biophysics, AS USSR), Moscow

SUBMITTED: April 26, 1961

Card 3/3

✓

*СТРАЗБЕСКАЯ И ТОКАРСКАЯ*

## Molecular Structure of DNA and Irradiation Damage to Cells

N. B. Strazbesskaya and V. A. Tokarskaya

In previous investigations the authors demonstrated in various cell types (erythrocytes and bone marrow of chickens, *E. coli*, Ehrlich ascites cells) the high radiation-sensitivity of the macromolecular DNA structures. In this investigation the authors studied the dynamics of the state of macromolecular DNA structures as a function of dose (50, 200, 500, 1000 and 5000 r) and of the time after  $\gamma$ -irradiation of rats (0.25, 1, 2, 4, 6, 8, 24 and 48 hr) in organs with different radiation sensitivity (thymus and liver). It was found that a distinct disturbance in the physico-chemical state of the macromolecular DNA structure in the thymus and liver is observed immediately after  $\gamma$ -irradiation of rats. The magnitude of the effect depends on dose. In the thymus the relationship is of an exponential nature for doses below 1000 r. The further fate of the macromolecular structure of DNA after irradiation is different for the radiosensitive and radioreistant tissues. In the thymus the changes of the macromolecular structure of DNA are irreversible, whereas in the liver this process is reversible. However, in the regenerating liver the disturbance of these structures following irradiation becomes irreversible, as in the case of thymus.

It is suggested that the radiosensitivity of the cell is determined by the special state of the macromolecular DNA structure (thymus) and by the presence of some mechanisms which are able to restore this structure (liver).

Institute of Biophysical Physics of the Academy of Sciences of the USSR, Moscow

## The Initial Stages of Radiation Injury to DNA Structure

V. I. Tokarskaya

Our results confirm the assumption of a point injury in the structure of DNA molecules during irradiation, the point of injury being thymine. Observations on dry seeds and on isolated DNA showed that the injuries to the structures are of a potential nature and develop in the presence of water. The effects of neutron or  $\gamma$  irradiation on the DNA structure of seeds were different.

Using  $^{14}\text{C}$  labelling it was shown that the changes in the template results in faulty synthesis and the DNA synthesized after irradiation has a qualitatively different composition.

To explain the remote effects of radiation on DNA it is suggested that loops are formed in the structure of irradiated DNA due to the loss of thymine.

Institute of Biophysics, Academy of Sciences of the USSR, Moscow

report presented at the 2nd Intl. Congress of Radiation Research,  
Harrogate/Yorkshire, Gt. Brit. 5-11 Aug 1962

STRAZHINSKI, N. B.; KERZHNIKOV, V. A.

Role of the supramolecular structure of DNA in radiation injury  
of the cell. Radiobiologiya 2 no.159-160 Ja '62 (MIRA 1881)

STRAZHEVSKIY, A.A.; PAZEL'SKIY, S.V., redaktor; MAKHOVA, N.N.,  
tekhnicheskiy redaktor.

[Problems on the locus of points in a secondary school geometry  
course] Zadachi na geometricheskie mesta tochek v kurse geo-  
metrii srednei shkoly. Moskva, Gos. uchebno-pedagog. izd-vo  
Ministerstva prosveshcheniya RSFSR, 1954. 158 p. (MIRA 8:1)  
(Geometry--Problems, exercises, etc.)

STRAZHEVSKIY, A.A. (Moskva)

Comparison of numerical values of magnitudes. Mat. v shkole  
no.2:56-59 Mr-Ap '59. (MIRA 12:6)  
(Numerical calculations)

STRAZHEVSKIY, A.A.

Notes and suggestions. Mat.v shkole no.1:24-28 Ja-F '60.  
(MIRA 13:5)  
(Mathematics--Study and teaching)

STRAZHEVSKIY, Aleksey Borisovich; LIPETS, Yu.G., red.; MALKES, B.N.,  
mladshiy red.; MOGINA, N.I., tekhn.red.

[The price of truth is life] Istina stoit zhizni. Moskva, Gos.  
izd-vo geogr.lit-ry, 1960. 287 p. (MIRA 13:10)  
(Great Rift Valley--Description and travel)  
(Native races)

STRAZHEVSKIY, Aleksey Borisovich; LASKINA, Ye.S., red.; BELICHENKO, R.K., mladshiy red.; VILENSKAYA, E.N., tekhn. red.

[From the White Sea to the Black Sea; an automobile trip from Archangel to Novorossiysk] Ot Belogo moria do Chernogo; na avtomobile iz Arkhangel'ska v Novorossiisk. Moskva, Geograf-giz, 1962. 304 p. (MIRA 15:8)  
(Russia--Description and travel)

STRAZHEVSKIY, I. V.

Pamiatka strogal'shchika na sherepinge. Sverdlovsk, Nishgiz, 1942. 56 p.

Instructions for the transverse planing machine operator.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

STRAZHGORODSKIY, S.I.

Results of prospecting and determining the basic parameters of  
a reservoir formation and the hermatic capacity of the cap  
rock by the gas stimulation method in the Ryazan structure.  
Trudy SGK no.3:80-102 '62. (MIRA 15:10)  
(Ryazan region—Gas, Natural--Storage)  
(Prospecting)

STRAZHINSKIY, V.M. (Moscow)

Stability of flexible shafts with non-symmetric spacing of pulleys.  
Inzh.sbor. 20:31-36 '54. (MLRA 8:7)  
(Shafts and shafting) (Stability)

STRAZHKOV, D.

Simplify rather than complicate work. Den. 1 kred. 14 no.9:  
42-43 S '56. (MLRA 9:10)

(Banks and banking)

KOCHUBIYEVSKIY, I.D. [Kochubiiievs'kyi, I.D.] (Vladivostok); STRAZHEMYSTER,  
V.A. [Strazhmeister, V.O.] (Vladivostok)

Use of rotary transformers in servomechanism drives. Avtomatyka  
no. 5:33-45 '60. (MIRA 14:4)  
(Servomechanisms)

KOCHUBIYEVSKIY, Il'ya Davidovich; STRAZHMEYSTER, Valentin Aleksandrovich;  
KELIM, Yu.M., red.; FRIDKIN, L.M., tekhn.red.

[Devices for measuring mismatch in servosystems] Izmeriteli ras-  
soglasovaniia slediashchikh sistem. Moskva, Gosenergoizdat,  
1963. 79 p. (Biblioteka po avtomatike, no.86) (MIRA 17:3)

KOCHUBIYEVSKIY, I.D., kand.tekhn.nauk; STRAZHMEYSTER, V.A., inzh.

Universal dynamic load model for testing automatic control systems.  
Elektrotekhnika 35 no.4:1-3 Ap '64. (MIRA 17:4)

...LIGA-KOMMUNIKAT, V.A., inzh.; SHPRINTSIN, V.N., inzh.

selection of measuring elements for control systems.  
Sniostroenie 30 no.5835-36 My '64. (MERA 17-5)

L 2616-66 EWT(d)/EWP(c)/EWP(v)/T/EWP(k)/EWP(h)/EWP(l)/ETC(m) WW

ACCESSION NR: AP5019722

UR/0144/65/000/007/0756/0764

621.34+ 621.72

48

B

AUTHOR: Strazhmeyster, V. A. (Engineer)

TITLE: Dynamic simulation of plants in testing automated drives and servosystems

SOURCE: IVUZ. Elektromekhanika, no. 7, 1965, 756-764

TOPIC TAGS: simulation

ABSTRACT: A plant simulator intended for laboratory testing of automatic-control systems and consisting of a computer and a reproducing unit is theoretically considered. The computer receives the arguments of this function:

$M_y = M_{CM} + J_K \frac{d\omega}{dt} + \frac{\omega}{2} \frac{dJ_K}{dt} + k_l(v - u_x) \frac{dm}{dt}$ , and generates a signal proportional to the controlled resistance torque  $M_y$  (here,  $M_{CM}$  is the resistance torque at the actuator-motor shaft,  $J_K$  is a correction to the moment of inertia). The

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reproducing unit is designed to produce, at the actuator-motor shaft, the torque set by the computer. Requirements and peculiarities of operation of the computer and the reproducing unit are discussed. An experimental verification on an MN-7 computer and a 370-w 3000-rpm reproducing motor is reported. These advantages of the simulator over full-size testing are cited: (1) Possibility of repeated test runs and of simulating complicated and heavy load conditions; (2) Separate simulation of the overall-torque components (such as an inertialess or torqueless load) by a suitable setting of the computer. Orig. art. has: 6 figures and 19 formulas.

ASSOCIATION: none

SUBMITTED: 31Jul63

NO REF SOV: 006

ENCL: 00

OTHER: 000

SUB CODE: IE, DP

Card 2/2

KOCHUBIYEVSKIY, Il'ya Davydovich; STRAZHMEYSTER, Valentin Aleksandrovich;  
TSATSENKIN, V.K., red.

[Dynamic modeling of loads in testing automatic control  
systems] Dinamicheskoe modelirovanie nagruzok pri ispyta-  
niakh avtomaticheskikh sistem. Moskva, Energiia, 1965.  
142 p. (Biblioteka po avtomatike, no.151) (MIRA 19:1)

STRAZHNIK, Roman, starshiy shturman

Itinerary and flight directions; airline flight; route tracking;  
aircraft radar and the precision of navigation. Grazhd.av. 18  
no.12:7-8 D '61. (MIRA 15:1)  
(Navigation (Aeronautics))

STRAZICIC, Nikola

The Kiel canal. Geogr hor 6 no.3:45-49 '60.

STRAZICIC, Nikola

"Atlas for elementary schools," ed. by [dr] Z. Dugacki,  
A. Cvitanovic, L. Trivanovic, and Z. Priselac. 3d ed. Reviewed  
by Nikola Strazicic. Geogr hor 9 no.1/2:72-73 '63.

STALINIRE, M.

"How to improve the efficiency of thermoelectric central boilers."

P. 9 (Teknika) Vol. 4, no. 6, Nov./Dec. 1957  
Tirane, Albania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

STRAZNICKY, DORRISLAV

Uvod do ruske zemedelske terminologie. (Vyd. 1)

Praha, Czechoslovakia, Statni pedagogicke nakl., 1959, 131p.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

STRAZNICKY, K.

Function of heterotopic spinal cord segments investigated in  
the chick. Acta biol. acad. sci. Hung. 14 no.2:143-153 '63.

1. Department of Anatomy, Histology and Embryology, Medical  
University, Pecs (Head: J. Szentagothai).  
(SPINAL CORD) (MOVEMENT) (TRANSPLANTATION)  
(PHYSIOLOGY) (EMBRYOLOGY)

MESS, B.; STRAZNICKY, K.

Functional differentiation of the thyroid gland investigated by  $I^{131}$ -autoradiography in decapitated chick embryos bearing hypophyseal homografts. Acta biol. acad. sci. Hung. 15 no.1: 77-85 '64.

1. Department of Anatomy, Histology and Embryology, Medical University, Pecs (Head: J. Szentagothai).

HOLLÓ, F.; STRAUBIG, K.; MOLNÁR, B.

The effect of TSH on the ultrastructure of rat thyroid  
thyroid. Acta Biol. Acad. Sci. Hung. 15 no. 2: 231-243 '64

I. Department of Anatomy, Histology and Embryology, Medical  
University, Pecs (Head: B. Flerko).

L 15502-66

ACC NR: AT6007448

SOURCE CODE: HU/2505/65/026/00X/0050/0050

10  
B+1

AUTHOR: Hajos, F.; Straznicky, K.; Mess, B.

ORG: Medical University of Pecs, Institute of Anatomy (Pecsi Orvostudomanyi Egyetem, Anatomiai Intezet)

TITLE: Effect of TSH on the ultrastructure of the thyroid gland of decapitated chick embryos [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July 1964]

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, 1965, 50

TOPIC TAGS: hormone, <sup>55</sup>endocrinology, animal physiology, thyroid gland

ABSTRACT: It has been shown in earlier electron microscopic studies that, at about the 11th day of incubation, a large quantity of ergastoplasm of the lamellar type develops in the thyroid gland of the chick embryo, in response to the TSH secretion which is starting at that time. This does not occur in decapitated embryos. In order to prove that TSH acts in a direct manner, 1½ day old decapitated embryos were treated with TSH, in response to which ergastoplasm similar to the normal one developed, as in the case of decapitated, hypophysis-transplanted embryos of similar age. The developmental stages of the ergastoplasm have also

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L 15502-66

ACC NR: AT6007448

been investigated along with the study of the earliest manifestations of the TSH effect at different intervals following the administration of TSH. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 2/2

STRATWICKY, K.; HAVCS, F.; ROHRS, B.

Relationship between the ultrastructure and cortical activity of the embryonic adrenal gland in the chicken. Acta biol. acad. sci. Hung. 16 no.3:261-274 '66.

1. Department of Anatomy, Histology and Embryology, Medical University, Pecs (Head: B. Fierko) and Department of Physiology, Medical University, Pecs (Head: K. Lissak). Submitted April 29, 1965.

MJKULIK, Ivan, velitel letadla IL-18; VARTEK, Eduard, velitel letadla IL-18;  
STRAVNIK, Roman, starsi navigator; KIJUKOV, Alexandr, pilot-instruktor

Analysis of flights. Letecky obzor 6 no.4:98-102 Ap '62.

STRAZOV, E. (Kiev)

Contact with members in the strength of the trade-union organisations. Sov.profsciuz 16 no.13:33-34 J1 '60.

(MIRA 13:8)

(Kiev--Trade unions)

MANCHUZHENKO, A.; IL'IN, M.; STRAZOV, K. (Kiyev); SHABUROV, Yu. (Kazan');  
BLYAKHOV, L.; DOVZHENKO, N.; DUBININ, G.

Editor's mail. Sov. profsoiuzy 16 no.19:42-48 o '60. (MIRA 13:10)

1. Pervyy sekretar' Kazensk-Ural'skogo gorkoma Kommunisticheskoy  
Partii Sovetskogo Soyuza, Sverdlovskaya, oblast' (for Manchuzenko).
2. Instruktor Krasnodarskogo kraevogo soveta profsoyuzov (for Il'in);
3. Instruktor Stalinskogo oblssovprofa (for Dovzhenko). 4. Predsedatel'  
pravleniya kluba imeni Gor'kogo, zernosovkhoz "Gigant" (for Dubinin).  
(Trade unions)

STRBA, Slavomir, inz.

Maintenance of electric traction vehicles. Zel dop techn 12 no.  
81202 '64.

STREAVY, G.

"Colorimetric determination of iron traces in the presence of iron  $\text{Fe}_2^{+}$ " *Chemicke Zvesti*,  
Bratislava, Vol. 8, No. 7, Sept. 1954, p. 461.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

*STRBK M.*

A thermoregulator for laboratory electric furnaces. A. Novák and M. Štěpničk (Kem. inž. "Borš. Kibrik," Louny, Česká. Vysoká řemesla, Štěpnička 1, Kem. Drážďa 1, 209-12(1934).—The app. consists essentially of a potentiometer bridge combined with a photocell relay unit and uses a moving coil instrument with low internal resistance instead of a mirror galvanometer. The temp. is kept within  $\pm 1^\circ$  in the range from 100 to 1000° by means of a chromel-alumel thermocouple. N. Plaška

(1)

STRBIC, D.

Yugoslavia (430)

Technology-Periodicals

The new salary system for railroad workers. p. 155.  
ZELEZNICE. (Jugoslavenske zeleznice) Beograd.  
(Monthly on railroad problems issued by the  
Yugoslav Railways) Vol. 8, No. 5, May 1952

East European Accessions List. Library of Congress  
Vol. 2, No. 6, June 1953. Unclassified.

SIROKICH, J.; SOCHOR, B.; KLABAN, J.; STRBIK, Jan

Informations on founding. Slevarenstvi 10 no.8:321-323  
Ag '62.

KLABAN, J.; GLOSROVA, M.; SOCHOR, B.; STRBIK, Jan

Information on founding. Slevarenstvi 11 no.2:90-94 F '63.

STRBIK, Jan

Increasing the production efficiency of molding machines.  
Slevarenstvi 11 no.5:199-201 My '63.

MISCHENKO, V.I.; STRBKOV, K.G.

Efficient workers increase labor productivity. Sel'khozmashina  
no.3:29-30 Mr '56. (MIRA 9:7)  
(Agricultural machinery industry)

STRCAJ, Vladimir, inz.; DRAGOJLOVIC, Pavle, inz.

Analysis of some paints for water tanks. Prodogradnja 7 no. 5-212-214  
'56.

DRAGOJLOVIC, Pavle, inz.; STRCAJ, inz.

Protection of ship tanks against corrosion. Brodogradnja  
8 no.1:28-31 '57.

COUNTRY : Rumania  
CATEGORY :

M-5

ABS. JOUR. : RZBiol., No. 19 1957, No. 87076

AUTHOR : Proorocu, N.; Angelescu, H.; Streauga, P.  
INST. : Rumanian Academy  
TITLE : New Lines of Annual Pepper Developed at the  
Tiganesti Experiment Station.

ORIG. PUB. : Comun. Acad. RPR, 1957, 7, No 8, 715-719

ABSTRACT : At the vegetables experiment station in  
Tiganesti (Rumania), by continued selection of plants and  
fruit since 1950, were obtained a number of lines of the  
annual pepper De Tiganesti, among which, on selection  
plots and in preliminary trials of yields, early maturation  
quality of fruit, and resistance to diseases, lines 111B  
and 102A were found to be outstanding.

M. V. Dranishnikov.

CARD: //

SELYE, H.; PADMANABHAN, N.; STREBEL, R.

Histogenesis of connective tissue calcification caused by KMnO4 and  
"other calcifiers". Cas. Lek. Cesk. 101 no.16/17:523-526 27 Ap '62.

1. Institut interniho lekarstvi a experimentalni chirurgie, Universita  
v Montrealu, Kanada.

(CALCIFICATION etiology)  
(CONNECTIVE TISSUE pharmacol)  
(ANTISEPTICS toxicol)

VASKU, Jaromir; STREBEL, Ralph; SELYE, Hans

Calciphylaxis inducing endogenous stimulation of the parathyroid glands. Cas. lek. cesk. 101 no.24/25:796-798 22 Je '62.

1. Ustav experimentalni mediciny a chirurgie university v Montrealu (Kanada), reditel prof. dr. Hans Selye.

(PARATHYROID GLANDS physiol)  
(CALCIFICATION exper)

GORBATOV, A.L.; MALETOVA, N.B.; FALILOVA, I.G.; STREBELEV, Ye.Ye.

[Mineral fertilizers and their use; index of Soviet  
literature for 1961-1963] Mineral'nye udobreniya i ikh  
primenenie; ukazatel' otechestvennoi literatury za 1961.  
1963 gg. Moscow, 1964. 127 p. (MIRA 18:2)

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nicheskogo i selskokhozyaistvennogo i tekhnicheskogo; bibliografi-  
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5 no.9:263-267 Sept 54.

1. Szabadsághegyi All. Gyermekszanatorium (igazgató: Fleisch István  
dr.) kozleménye.

(NITROGEN MUSTARDS, ther. use

Pott's paraplegia)

(PARAPLEGIA, ther.

nitrogen mustard in Pott's paraplegia)

(TUBERCULOSIS, SPINAL, compl.

Pott's paraplegia, nitrogen mustard ther.)

STREBELY G.

PAZSONYI, Jozsef, dr.; SCHWEIG, Gizella, dr. ORBAN, Sandor, dr.;  
STREBELY, Gusztav, dr.; WOHL, Vera, dr.

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Istvan dr.) extrapulmonalis osztalyanak (foorvos: Pazsonyi Jozsef  
dr.) kozlemenye.  
(NICOTINIC ACID ISOMERS, ther. use  
tuberc. in inf.)  
(TUBERCULOSIS, in inf. & child  
ther., isoniazid)

TELEGDI, Istvan, dr.; BALINT, Judit, dr.; GOROVE, Laszlo, dr.; MATUSKA,  
Gergely, dr.; PINTER, Gabriella, dr.; STREBELY, Gusztav, dr.;  
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TELEGDI, Istvan, dr.; BALINT, Judit, dr.; GOROVE, Laszlo, dr.; MATUSKA,  
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GOLDINS, V.; STREBEJKO, K.[translator]; MACULEVICS, M., spets. red.;  
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*S. T. L. K. N. P.*

RATANOVA, R.Ya.; STREBEYKO, V.P.

Isolation of geraniol from the oil of *Libanotis montana*. Trudy  
(MLRA 10:7)  
VNIISNDV no.2:78-81 '54.  
(Geraniol) (Essences and essential oils)

STREBEYKO, M.P.

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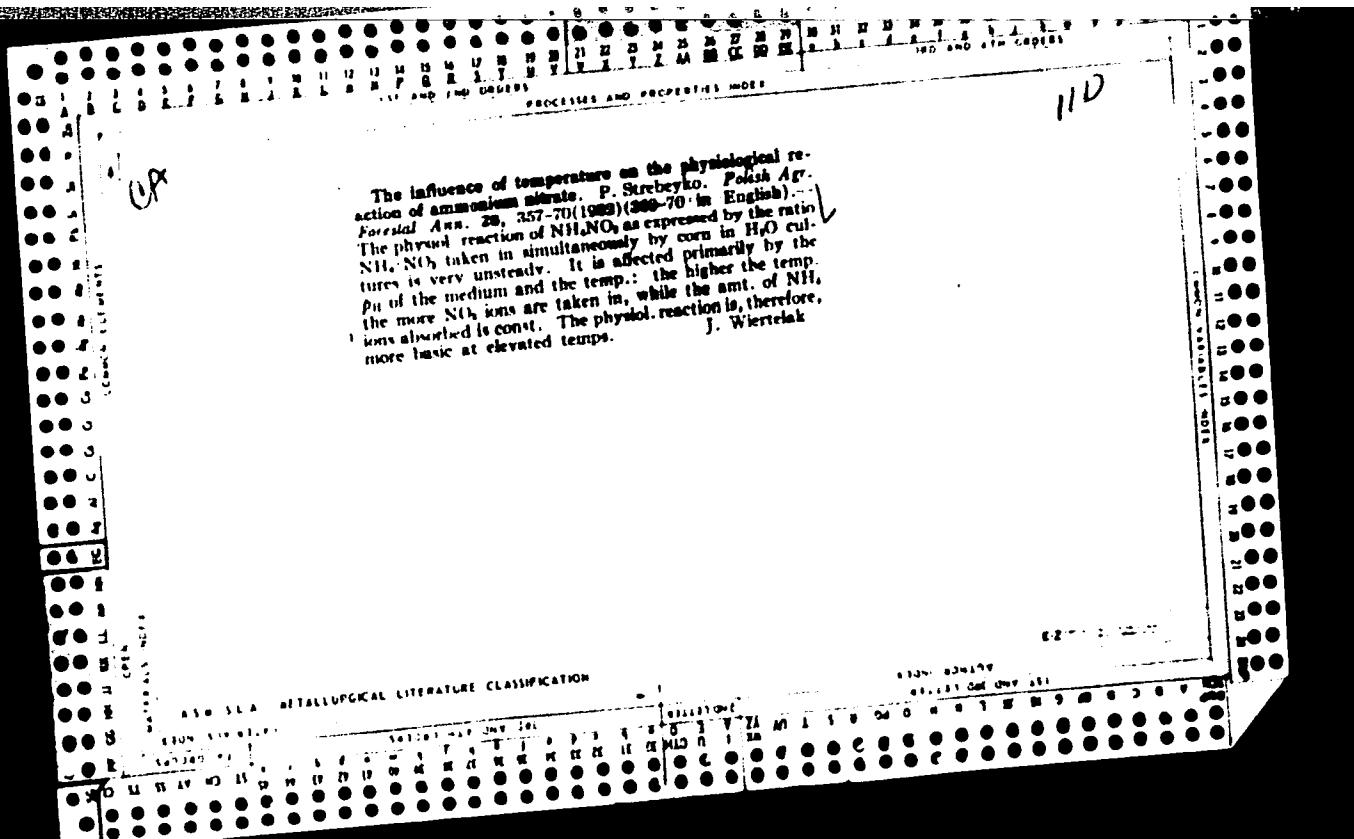
"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653510016-3

Installation for conductive wires used in magnetic PI

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653510016-3"



**Effect of the soil reaction on the availability of different forms of phosphoric acid.** Plot, Sartorius... *Paed. Agr. Forest. Ann.* 34, 153-200 (in English 1921-2) (1938). *Pisum sativum* and *Artemesia sativa* were grown in 600 pots each contg. 8 kg. of sand or sand and subsoil, resp., during 1927-31, and the action of different phosphates at various soil reactions or in the presence of N salts of various physiol. reactions was studied. Attention was paid mainly to  $Fe_3O_4$  and  $AlPO_4$  as compared with superphosphate and other sol. phosphates. The results obtained in each series are presented in 10 tables, the main conclusions being:  $AlPO_4$  and  $Fe_3O_4$  gave higher yields on soils of a basic reaction and their effect on the yield was similar to that of  $Ca_3(PO_4)_2$ ,  $Na_2HPO_4$ ,  $Ca(H_2PO_4)_2$ , superphosphate and Thomas slag at a basic soil reaction, whereas poorer yields were encountered at an acid soil reaction than with the last mentioned phosphates. Basic Ca compds. affected the availability of superphosphate,  $FePO_4$  and  $AlPO_4$  only at an acid reaction of the medium. Gypsum never favored the action of phosphates studied. The addition of  $Fe(OH)_3$  or  $Al(OH)_3$  may decrease the availability of superphosphate in sand of slightly acid or basic reaction, whereas at a strongly basic soil reaction the availability of basic superphosphate was not decreased by  $Fe(OH)_3$  or  $Al(OH)_3$ , as under these conditions  $FePO_4$  and  $AlPO_4$  could not be ppzd. The reaction of the medium is the chief and deciding factor affecting the availability of P in sand contg. Fe and Al. An especially significant role must be attributed then to the physiol. reaction of N salts.

J. Kucera

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653510016-3"

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"Energetics of photosynthesis." p.4. (SPRAWOZDANIA Z POSIEDZEN Vol. 43  
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SO: Monthly List of East European Accession. (EAL). LC. Vol. 4, No. 4.  
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*Strebevko, H.*

Resistance of wheat varieties to drought during germination and early growth. P. Strebevko and H. Lomanska (Roczn. Nauk. R.D. 1954, 88, A, 517-535). Varietal differences in drought resistance of wheat cannot be explained by differences in size of root systems. Factors concerned include the suction force of the root hairs and the rate of early development of the plants. Rapid development of seedlings permits early utilisation of available soil moisture. A. G. POLLARD

STREBEYKO, P

Efforts to measure photosynthesis by determining the increase of carbon in plants. P. Strebejko, Roczniki Nauk Rolniczych 71, Ser. A, 221-38 (1955) (English summary). — C increase in plants grown in water culture was measured by several methods. C (in mg.) was detd. on the basis of an increase in the abs. C content in the morning and evening by combustion of selected sets of plants. C was detd. on the basis of an increased percentile C in the plant at an unchanged mass. A set of plants was weighed and burned before assimilation (constituting the beginning percentile of C). A 2nd set of plants was weighed before assimilation and burnt after assimilation. The difference in the percentile content of C constitutes the measure of assimilation. C was further detd. on the basis of the increasing C/N ratio in plants by exclusion of N from the nutrient soln. during the period of assimilation. C was also detd. on the basis of the relation of C to an optional element of the nutrient soln., taking into account the absorption of this element by the plant during assimilation. The results obtained agreed in general with the actual increase in dry matter of the plants. Mineral feeding of plants may be studied by these measurements of assimilation. Ernest G. Jaworski

STRETEYKO, P.

"Rośliny i zwierzęta w służbie człowieka" (Plants and animals in the service of the man), by I. Streteyko. Reported in New Books (Nowe Książki), No. 11, June 1, 1956.

Author: KLEIN  
Subject: Plant Physiology. Water Conditions.  
Year: 1957, No. 10609  
Author: Slobodko, V. V.  
Title: The Effect of Leaf Water Content Change on Dry Matter Increases in Oats and Rape.  
Source: Roczn. nauk rolniczych, 1957, 475, No. 3, 369-36  
Text: Oat and rape plants were grown in vegetative vessels in soil with a moisture content of 10-50% of the capillary moisture capacity. A month after the sowing, the diurnal course in the variations of water content in the leaves was studied for 3 days. In the daytime the water content was lower than at night. Changes in soil moisture affected the water content negligibly in the leaves but had a strong effect on the growth of the plants and increase in

COUNTRY : U.S.S.R.

CATEGORY :

ART. MATER. : FURFOL., M. 1959, No. 10819

ART. MATER. :

ART. MATER. :

ART. MATER. :

ART. MATER. :

ART. MATER. : dry matter, which the authors explain by the change in the activity of photosynthesis. Rape proved to be more sensitive to moisture deficiency than oats. With water deficiency in the soil, the growth of the stems was reduced more severely than the growth of the roots. Bibliography of 30 titles. -- M. P. Shternberg

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3-5 Jl-Ag '60.  
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STREBEYKO, P.; GORA, B.

Course of growth and development of spring barley.  
Biologia plantarum 6 no. 2:152-157 '64.

1. Department of Plant Physiology, Warsaw University and  
Plant Breeding and Acclimatization Institute, Warsaw 64,  
Krakowskie Przedmiescie 26/28.

STREBEJKO, P., ROSIEK, N.

Dynamics of growth and development of spring rye. Acta  
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I. Institute of Plant Cultivation and Acclimatization, Warsaw  
and Department of Plant Physiology, University, Warsaw.

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Suggested by A.IA.Strebkov. Rats.i izobr.predl.v stroi.  
no.11:34-35 '59. (MIRA 13:3)

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(Plaster board)

STREBKOV, K.G., inzhener; MISHCHENKO, V.I., inzhener.

Experience in organizing competitions and contests. Izobr. v SSSR 2  
no.1:37-38 '57. (MIRA 10:4)  
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LIPSKIY, Ya.I., dotsent; STREBKOV, M.G., mladyshiy nauchnyy sotrudnik

Method for direct enlargement of fluorograms in the X-ray diagnosis  
of pneumoconioses. Vest. rent. i rad. 36 no.5:61-62 S-0 '61.

(MIRA 15:1)

1. Iz Novosibirskogo nauchno-issledovatel'skogo sanitarnogo instituta  
(dir. - kand.med.nauk Ye.M.Gorbachev).  
(LUNGS--DUST DISEASES) (DIAGNOSIS, FLUOROSCOPIC)

KAMINSKIY, M.I., dots.; KOROBOV, M.S.; STREBKOV, M.S.; VASNETSOVA, A.A.

Prospective complications in appendectomies and herniorrhaphies.  
Nov.khir.arkh. no.1:67-70 '62. (MIR 15:8)

1. Kafedra organizatsii zdravookhraneniya, kafedra khirurgii  
Ukrainskogo instituta usovershenstvovaniya vrachey i 2-ya  
bol'nitsa g. Khar'kova.  
(APPENDECTOMY) (HERNIA)

STREBKOV, V.P., veterinarnyy vrach; KHOKHLOV, A.L.

Cannula for visual observation of organs in the abdominal and thoracic cavity. Veterinariia 32 no.9:68-69 S '55. (MLRA 8:12)

1. Leningradskiy veterinarnyy institut.  
(PHYSIOLOGICAL APPARATUS)

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STREKOV, V. S., Cand Med Sci -- "Echinococcosis. According  
to data ~~of~~ hospitals and clinics of Dnepropetrovskaya, Zapo-  
rozhskaya, and Khar'kovskaya Oblasts." Khar'kov, 1961.  
(Khar'kov State Med Inst) (KL, 3-61, 265)

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KLEPIKOV, F.A.. dotsent; STREBKOV, V.S., assistant

Renal echinococcosis. Klin. khir. no.2:42-47 '65.  
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1. Urologicheskaya klinika (zav.- prof. G.Ya. Alapin) i kafedra  
khirurgii No.1 (zav.- prof. V.A. Kartavin) Ukrainskogo instituta  
usovremenizovaniya vrachey.

USSR/Cultivated Plants - Subtropical, Tropical.

H.

Abstr Jour : Ref Zhur - Biol., No 10, 1958, 44354

Author : Strebkova, A.D.

Inst : Council on Coordination of AS Azerbaijan SSR

Title : The Selection and Introduction of Economically Valuable Assortment of Subtropical Fruit Plants for Production.

Orig Pub : Tr. 1-y nauchn. sessii Sovata po koordinatsii AN AzerbSSR. Baku, AN AzerbSSR, 1957, 185-200.

Abstract : This is a report on the work completed by the Azerbaijan Scientific and Research Institute for Subtropical Cultures and Horticulture. Data is cited on the surveys of orchards conducted by the Institute, results of the introduction and of the organization of experimental bases, brief accounts of the biology of the varieties, their distribution in Azerbaijan and their occurrence in the wild.

Card 1/2

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STREBKOVА, A.D.

Varieties of pomegranates for the canning industry of Azerbaijan.  
Kons. i ov. prom. 13 no.11:32-34 N '58. (MIRA 11:11)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut sadovodstva,  
vinogradarstva i subtropicheskikh kul'tur.  
(Azerbaijan--Pomegranate--Varieties)

STREBL, B.

Cooperation is necessary.

<sup>23</sup>  
p. 533 (MECHANISACE ZEMEDELSTVI) Vol. 7, no. 21, Nov. 1957,  
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958

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Prospects for the development of the Polish tube industry.

P. 176 (WIADOMOSCI ELEKTROTECHNICZNE) (Warsaw, Poland) Vol. 17, no. 6. June 1957

SO: Monthly Index of East European Acquisitions (EEAI) LC. Vol. 7. No. 5. 1958

STRIZHEVSKIY, I.I.; STREBULAYEVA, Ye.N.

Acetylene content in carbide silt. Trudy VNIIAvtogen no.3:211-214  
'55. (MIRA 11:12)  
(Acetylene) (Carbides)

FEDOROV, A.A.; TIKHOMIROVA, O.F.; STREBULAYEVA, Ye.N.; CHERENOVA, O.I.

Determination of silicon in ferroniobium, niobium pentoxide,  
and in nickel-niobium alloys. Sbor. trud. TSNIICHM no.24:  
164-167 '62. (MIRA 15:6)  
(Niobium oxide--Analysis) (Niobium alloys--Analysis)  
(Silicon--Analysis)

FEDOROV, A.A., OZERSKAYA, F.A., STREBULAYEVA, Ye.N.

Trilonometric determination of calcium oxide in slags using  
fluorescein-ccmplexon. Zav.lab. 29 no.7:794 '63. (MIRA 16:8)

1. TSentral'n/y nauchno-issledovatel'skiy institut chernoy  
metallurgii im. I.P.Bardina.  
(Calcium oxide) (Acetic acid) (Slag)

FEDOROV, A.A.; OZERSKAYA, F.A.; STREBULAYEVA, Ye.N.

Using fluorexon as indicator in the trilonometric analysis of slags.  
Sbor. trud. TSMIICHM no.31:170-172 '63. (MIRA 16:7)  
(Fluprexon) (Slag--Analysis)

TIKHOMIROVA, O.F.; STREBULAYEVA, Ye.N.; SAZONOVA, Z.V.

Determining ferrous oxide in chromium ores and slags. Sbor. Tsvetn. (MIRA 16:7)  
TSNIIICHM no.31:130-181 '63.  
(Chromium ores--Analysis) (Slag--Analysis) (Iron oxide)

STREBVKIN, Anatoliy, matros

Far from the motherland; from the notes of a Soviet sailor.  
Vympel 11 no.16:11-12 Ag '59. (MIRA 12:9)  
(United States--Description and travel)

*SLIDE 570-1*

A manometric method for the determination of atmospheric carbon dioxide. M. Štrecha (Univ. Komenského, Bratislava, Czech.). Šíber práce, Právnického na 8 celo-  
lidnom sjezde lekárov byz. epidemického infekc., Slovensk. akad. vied, Sek. vied biol. a lekár., Bratislava 1954,  
176-89.—Samples of dry air were treated with 30% NaOH and the decrease in the pressure was measured with an aero-  
manometer. The original CO<sub>2</sub> content was calculated by the ideal gas laws from the manometer and temp. readings were  
multiplied by an empirical factor 0.1760. H. Morawetz

*Chen*

Strecha, M.

CZECHOSLOVAKI/Chemical Technology. Chemical Products. Water  
Treating. Sewer Water.

H-5

Abstr Jour : Rof Zhur - Khimiya, 1958, No 22, 74384

Author : Strecha M., Falenick O.

Inst : Not Given

Title : Photometric Determination of Water Turbidity

Orig Pub : Ceskosl. hyd., 1958, 3, No 1, 38-41

Abstract : A schematic diagram of a turbidity meter is presented.  
Water turbidity measurements determined by various methods  
are compared.

Card : 1/1

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